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| 43090B/23 TORAY IND'S INC. | E31 F06 G02 J04 P35 (F09) 04.10.77-JA-119217 (25.04.79) A62c-03 C09k-03 D06m-1L D21h- Colloidal soln. of tungsten cpds. for treating paper, textiles etc. - comprises e.g. sodium tungstate, a silicate and alkali metal ion or ammonium ion source, giving improved fire resistance, spinnability | TORA 04.10.77 *J5 4052-686 E(31-P3, 35-Q) F(1-H6, 3-C3, 3-C6, 5-A6D) G(2-A3, 2-A5D) J(4-E). |
| | Colloidal soln. for use in the treatment of paper, textile etc. comprises a W cpd. e.g. Na tungstate, etc. a silicate, e.g. Na silicate, etc. and an alkali metal ion or ammonium ion in a molar proportion of 1-15:2-5:1 $\text{WO}_3:\text{SiO}_2:\text{M}_2\text{O}$ (M is an alkali metal or ammonium), which is prep'd. e.g. by mixing an aq. soln. of alkali tungstate or ammonium tungstate, which is deprived of its alkali metal or ammonium, and an alkali silicate, ammonium silicate or a cpd. capable of forming an alkali silicate or ammonium silicate in such a way that the molar proportion of $\text{WO}_3:\text{SiO}_2:\text{M}_2\text{O}$ is formed. The colloidal soln. is very useful as raw material for new catalysts, non-combustible paints, etc. in addn. to treating agents for paper, textile, etc. The use of the sol. in the treatment of textile provides increased spinnability, increased rigidity and improved fire resistance, as well as improved mordancy, for textiles. (3pp). | J54052686 |